

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

CRYSTAL et al.

Group Art Unit: unassigned

Application No.

Examiner: unassigned

Filing Date: August 27, 2003

For: GENETIC VACCINES DIRECTED  
AGAINST BACTERIAL EXOTOXINS

**SUBMISSION OF SEQUENCE LISTING**

MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the requirements of 37 C.F.R. §§ 1.821-1.825, a sequence listing is being submitted with respect to the instant patent application. A paper copy of the sequence listing and a computer readable copy of the sequence listing on computer diskette (PatentIn v.3.2) are enclosed herewith. The undersigned hereby verifies that the contents of the paper and the computer readable copies, as concurrently being submitted, are the same.

Respectfully submitted,



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Date: August 27, 2003

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SEQUENCE LISTING

<110> Crystal, Ronald G  
Hackett, Neil R  
Tan, Yadi

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